BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISION

WARD 7: BYATARAYANAPURA

Name of work:- Improvements to drains of Elumandamma temple road to chiranjeevi layout churuch road in ward No.07, Byatarayanapura.

P-CODE:- P2415

Estimate Cost:- 49.50 lakhs

Name of Work:-Improvements to drains of Elumandamma temple road to chiranjeevi layout churuch road in ward No.07, Byatarayanapura.

Estimated Cost:- 49.50 Lakhs

	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
2	Removing and refixing stone slabs of drains and pointing in CM (1:3).(Pg No.25, I.No.5.33)								
	Basic Rate:	Sqm	**76.00**						
	Area Weightage @ 6%		4.56						
	Total		**80.56**						
	BS Slab cover- in front of houses								
	From elumandamma temple road (circle) to chiranjeevi church road(Muthuuth finance shop)		2	400.00		1.20	960.00		
	From Govt school kempapura to Elumandamma temple road circle)		2	240.00		0.90	432.00		
							1392.00		
						Consider 30% missing slabs	**417.60**		
							974.40	80.56	78497.66
2	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1)								
	Basic Rate:	cum	**82.00**						
	Area Weightage @ 6%		4.92						
	Total		**86.92**						
	Desilting of Existing drain								
	From elumandamma temple road (circle) to chiranjeevi church road(Muthuuth finance shop)		2	400.00	0.60	0.90	432.00		
	From Govt school kempapura to Elumandamma temple road circle)		2	295.00	0.60	0.90	318.60		
	Culvert		8	10.00	1.80	1.20	172.80		
						TOTAL	**923.40**	86.92	80262.00
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . **(Pg.No.12, It.4.3)**								
	Basic Rate:	cum	4867.00						
	Area Weightage @ 6%		292.02						

	Total		5159.02						
	Ramps - for the drain of the road From Govt school kempapura to Elumandamma temple road circle		2.00	240.00	0.30	0.15	21.60		
	Culvert- Bottom		8.00	10.00	1.80	0.15	21.60		
					TOTAL		**43.20**	5159.02	222870.00
4	KSRB 5.3-1:Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications.(P-235. Item No. 5.6)								
	Basic Rate:	cum	4187.00						
	Area Weightage @ 6%		251.22						
	Total		4438.22						
	Culverts side walls	1x2	16.00	10.00	0.45	0.90	64.80		
					TOTAL		**64.80**	4438.22	287597.00
5	KSRB 5.3-1:Providing ruled pointing of course stone msonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20 mm nicley lining, including cost of materials, labour, curing etc., complete as per specifications and directions of the engineer-in-charge. (P-112, Item No. 15.8)								
	Basic Rate:	cum	33.00						
	Area Weightage @ 6%		1.98						
	Total		34.98						
	Culverts side walls	1x2	16.00	10.00		0.90	144.00		
					TOTAL		**144.00**	34.98	5038.00
6	KSRB4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.69 cum and fine aggragtes @ 0.459cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. (Page No. 12. Item No. 4.6)								
	Basic Rate:	cum	5441.00						
	Area Weightage @ 6%		326.46						
	Total		5767.46						
	Culvert- vent portion		8.00	10.00	0.60	0.10	4.80		
	coping on side walls of culverts	8x2	16.00	10.00	0.45	0.10	7.20		
	coping on side walls of drain- elumandamma temple road (circle) to chiranjeevi church road(Muthuuth finance shop)	2x2	4.00	400.00	0.20	0.10	32.00		
	From Govt school kempapura to Elumandamma temple road circle)	2x2	4.00	295.00	0.20	0.10	23.60		

	For Ramps-From Govt school kempapura to Elumandamma temple road circle)	1x2	2.00	240.00	0.30	0.10	14.40		
					TOTAL		**82.00**	5767.46	472932.00
7	Providing and constructing load bearing wall with solid concrete solid blocks having block density not less than 18000 Kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confimring to IS 2185 (pART 1):2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materialsincluding cost of all materilas, labour charges, scaffolding, curing complete as per specifications. with solid concrete blocks 400x200x200mm (PWDSR 2015-16, I. 5.27.1, P. 25.1)								
	Basic Rate:	Sqm	937.00						
	Area Weightage @ 6%		56.22						
	Total		993.22						
	For raising on both sides of the drain	2x2	4	300		0.20	240.00		
		2x2	4	295		0.20	236.00		
							476.00	993.22	472772.72
8	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data								
	DETA RATE	Sqm							
	Covering Slab								
	Missing qty slabs						417.60		
	From Govt school kempapura to Elumandamma temple road circle)	1x2	2	180		1.20	432.00		
							849.60	2100.00	1784160.00
9	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification (Data								
	DETA RATE	Sqm							
	Covering Slab								
	culverts	**133**	1.8	0.6			143.64		
							143.64	5111.00	734144.04
10	Removing and resetting of kerbs stones . (Pg No.265, Item No. 37.57)								
	Basic Rate:		62.00						
	Area Weightage @ 6%		3.72						
	Total		65.72						
			2	400			800.00		
			Damaged and missing qty 20%				160.00		
							640.00	65.72	42060.80
11	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 25 / Item No. 5.29.1)								

	Basic Rate:	nos	364.00						
	Area Weightage @ 6%		21.84						
	Total		385.84						
	Missing qty				160.00	0.45	**355.56**		
							355.56	385.84	137187.56
12	Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 122 / Item No. 15.80)								
	Basic Rate:	Sqm	26.00						
	Area Weightage @ 6%		1.56						
	Total		27.56						
			2.0	400.0		0.45	**360.00**		
							360.00	27.56	9921.60
13	Providing and applying spray painting in two coats (excluding priming coat) over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 121 / Item No. 15.81)								
	Basic Rate:	Sqm	66.00						
	Area Weightage @ 6%		3.96						
	Total		69.96						
			2.0	400.0		0.45	**360.00**		
							360.00	69.96	25185.60
14	Providing and fixing MS Grating 260x260 mm(Page No.VIII, Sl No.237, code No.0771)								
	Basic Rate:	Sqm	89.00						
	Area Weightage @ 6%		5.34						
	Total		94.34						
	For shoulder drains		120.0				**120.00**		
							120.00	94.34	11320.80
15	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)								
	Basic Rate	cum	**68.00**				900.00	106.00	95400.00
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10Km		**32.00**						
	Total		**100.00**						
	Add Area Weightage6%		**6.00**						
			106.00						

4459349.78

16						Sub Total	4504225.42
17						Add 10% KRIDL charges 445934=78	450422.54
18						Add 1% labour cess charges 44593=54	45042.25
19						Miscelleneous charges 121=74	309.78
20						Total	5000000.00

1)This is certified that the work spot comes under BBMP limits only.
2) The work spot is inspected by me
3) The items Provided in the Estimate are quite Essential
4)The rates are as per CSR of 2016-17 year of PWD Bangalore Circle.

Add to 49.50 lakh Rs as per Job-Code.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

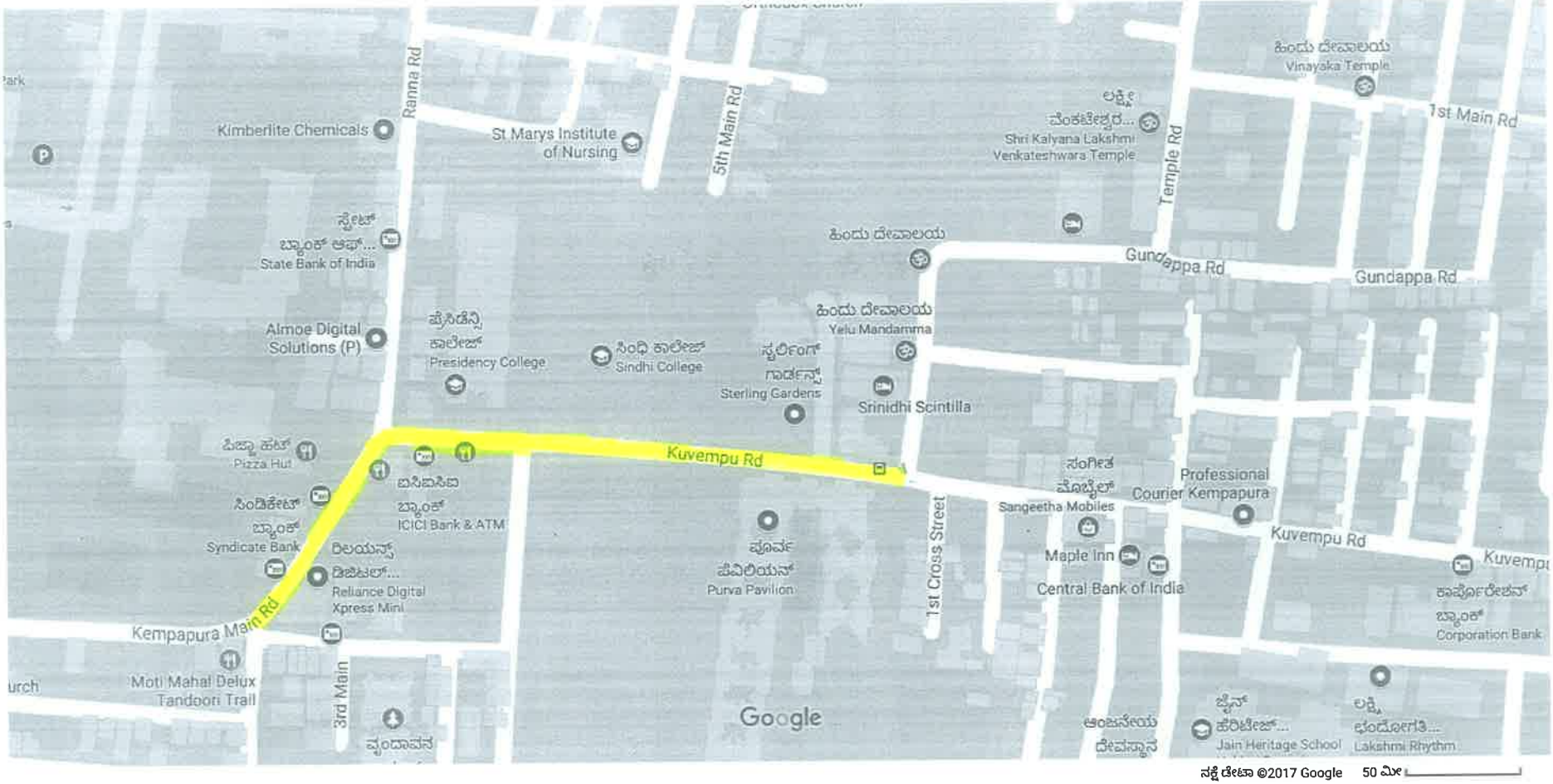
22/12
Executive Engineer
Byatrayanapura Division
B.B.M.P.

22/12

ADMINISTRATIVE APPROVAL
Accorded For Rs. Fifty lakhs only
Head of A/c. P-2415
Div. Ref. No. 136/17-18 Date. 22/12/17
22/12
AE
22/12
EE(BTP)

Technical Sanction
Accorded For 49.50 lakh Rs.
Head of A/C P 2415
CER NO : 520 Dt:. 12 01 18
TA
CE (YNK)

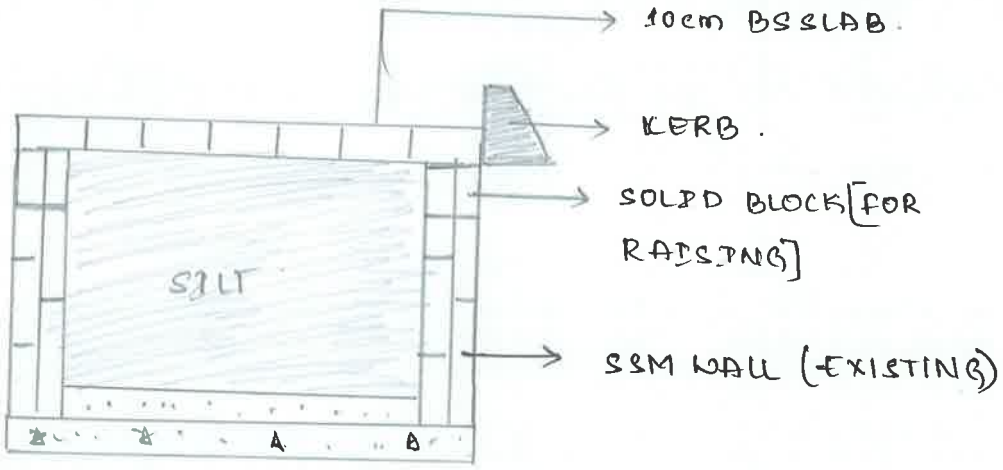
Name of work:- Improvements to drains of Elumandamma temple road to Chirayeri layout church road in ward 7 byatarayanapura



M/s M.Y.N.D
AE(W7)

Assistant Executive Engineer
Kodigehalli Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of work:- Improvements to drains of Thimmandamma temple road to Chirangeevi layout church road in ward no.07.



CROSS - SECTION

AE(W).ND
AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092